Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

of Work: Providing Gym Equipments and Children playing Equipment at Parks in Ward No - 03 of Yelahanka Satellite town Sub division

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
B 2-2 : **Earthwork excavation by manual means** for foundation of buildings, water supply and itary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods nplete as per specifications. (Page No 6, I.No.2.3)								
Fencing								
ɔris	1	30.00	6.00	0.30	54.00			
					54.00	**Cum**	**394.42**	**21298.68**
Basic Rate Rs.=	299.00							
Add 6% A.W Rs. =	17.94							
Sub Total =	316.94							
8Km Lead, Loading and nloading =(2*1.28*8)+57	77.48							
Total Rate Rs. =	394.42							
RRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with ushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine gregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by ɔration including curing for 14 days including cost of all materials, labour, HOM curing, form ɔrks, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
ildren Play area kerb stone	2	90.00	0.20	0.10	3.60			
m equipment kerb stone	2	44.00	0.20	0.10	1.76			
m equipment area	2	12.00	10.00	0.15	36.00			
					41.36	**Cum**	**5421.90**	**224249.78**
Basic Rate Rs.=	5115.00							
Add 6% A.W Rs. =	306.90							
Total Rate Rs. =	**5421.90**							
RB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, th 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in ɹndation, plinth and cills, including cost of all materials, labour, HOM curing complete as per ecifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
ıss concrete for fixing uipments	40	0.60	0.75	0.60	10.80			
					10.80	**Cum**	**5747.32**	**62071.06**
Basic Rate Rs.=	5422.00							
Add 6% A.W Rs. =	325.32							
Total Rate Rs. =	**5747.32**							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
ıiding and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and om width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM plastering and finishing cutting including formwork, curing, including cost of materials, labour ges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the ction of Engineer incharge. (P.No.27, I.No.5.30)								
ı equipment area	2	44.00			88.00			
dren Play area kerb stone	2	90.00			180.00			
					268.00			
					596.00	**Nos**	**432.48**	**257758.08**
Basic Rate Rs.=	408.00							
Add 6% A.W Rs. =	24.48							
Total Rate Rs. =	**432.48**							
ıting two coats after filling the surface with **synthetic enamel paint** in approved shades on new stered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter pecification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
n equipment area	2	44.00		0.30	26.40			
ldren Play area kerb stone	2	90.00		0.30	54.00			
					80.40	**Sqm**	**84.80**	**6817.92**
Basic Rate Rs.=	80.00							
Add 6% A.W Rs. =	4.80							
Total Rate Rs. =	**84.80**							
ɔviding and laying/fixing cement base, precast, pre polished cement concrete, **designer tiles** mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and ıding, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing ng white cement, including cost of materials, mortar, including cutting, griding the edge to lf/full round wherever required, labour, curing complete as per specification. (P.No-112,I No-								
m equipment area	2	12.00	10.00		240.00			
					240.00	**Sqm**	**1305.92**	**313420.80**
Basic Rate Rs.=	1232.00							
Add 6% A.W Rs. =	73.92							
Total Rate Rs. =	**1305.92**							
RRB 2.6 **Providing and filling sand** in trenches to required depth including watring ramming with leads and lift complete as per specifications and directed by the engineer incharge at the site (P-7 -2.13 SR 2018-19)								
ldren Play area	2	25.00	20.00	0.30	300.00			
					300.00	**Cum**	**2183.60**	**655080.00**
Basic Rate Rs.=	2060.00							
Add 6% A.W Rs. =	123.60							
Total Rate Rs. =	**2183.60**							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
ly & fixing of Arm & Pedal Bike : All products must tested and certified to meet EN16630 safety standards GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either iemselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly ayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All ucts must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are oped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp is & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are der coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are ed in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion 000 hrs. The seat is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment ch have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive rement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of very : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and maintenance guide. Size (L*W * H) 830 MM x 500MM x 1450 MM . Capacity 1 person. Inclusive of All es and Transportation Charges (Data approved rate)								
	2				2.00			
					2.00	**Each**	**212500.0**	**425000.00**
Data Rate	212500.00							

pply & fixing of Elliptical Cross Trainer: All products must tested and certified to meet EN16630 safety ndards with GS test mark. The EN16630 certificates must be issued by a reputed notified International tifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified ducts either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates ist be clearly displayed on the notified certifying bodies websites as online verification is mandatory during hnical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety tificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All lded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off noving all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All tal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All tal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to ed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : intenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that vent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with 16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : intain according to EN16630 and the maintenance guide. Size (L*W * H) 845 MM x 865 MM x 1710 MM . pacity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	2				2.00			
					2.00	**Each**	**175000.0**	**350000.00**
Data Rate	175000.00							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
y & fixing of Pull Down Challenger : All products must tested and certified to meet EN16630 safety ards with GS test mark. The EN16630 certificates must be issued by a reputed notified International ying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name upplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified ıcts either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates be clearly displayed on the notified certifying bodies websites as online verification is mandatory during ical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety cates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All d joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off ving all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to l up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : tenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that nt unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with 630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : tain according to EN16630 and the maintenance guide. Size (L*W * H) 2570 MM x 840 MM x 2200 MM . city 2 persons. Inclusive of All Taxes and Transportation Charges(Data approved rate)								
	2				2.00			
					2.00	**Each**	**296000.0**	**592000.00**
Data Rate	296000.00							

ly & fixing of Seated Chest Press : All products must tested and certified to meet EN16630 safety ards with GS test mark. The EN16630 certificates must be issued by a reputed notified International ying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified ucts either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates be clearly displayed on the notified certifying bodies websites as online verification is mandatory during ical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety icates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All ed joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off ving all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All l parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All l parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to d up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : tenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that ent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with 630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : tain according to EN16630 and the maintenance guide. Size (L*W * H) 1955 MM x 730 MM x 1955 MM . city 2 persons. Inclusive of All Taxes and Transportation Charges(Data approved rate)								
	2				2.00			
					2.00	**Each**	**287500.0**	**575000.00**
Data Rate	287500.00							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Supply & fixing of Self Weighted Rower : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1390 MM x 805 MM x 1198 MM . Capacity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	2				2.00			
					2.00	**Each**	**206250.0**	**412500.00**
Data Rate	206250.00							
Supply & fixing of HD Double Health Walker : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-free ball bearings. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 2015 MM x 615 MM x 1360 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	2				2.00			
					2.00	**Each**	**296000.0**	**592000.00**
Data Rate	296000.00							

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Supply & fixing of HD Waist Twister : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-free ball bearings. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1460 MM x 1310 MM x 1150 MM . Capacity 3 persons. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		2				2.00			
						2.00	**Each**	**162500.0**	**325000.00**
	Data Rate	162500.00							
5	**Fixing and installation of a three person body twister station:** Size -131 X 100 X 133CM, that consists of three swivel stands that rotates but with a built in safety limitor that meets international safety standards as the arms and shoulders of the user are held square in the overhead hold that is fixed to a monolithic large arc tube center pillar without convex sides & minimal deformation ergonomically curved. The Center pillar has an OD of 89 mm, the wall thickness is min 3 mm & has a 8mm thick, 40cm gusset support at standard height of 1.4m. All fasteners to be of 304 stainless, Torx Anti Vandal Fasteners, All nuts enclosed in Polyamide Anti Vandal Caps. Finishing to be Metalized / Plasma zinc injection + Dupont/Alexta outdoor use color powder electrostatic coating. Safe Zone : 430 X 400 CM. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		2				2.00			
						2.00	**Each**	**234574.0**	**469148.00**
	Data Rate	234574.00							
6	**Supply & fixing of Tai Chi Spinners :** All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1150 MM x 1120 MM x 1620 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		2				2.00			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
					2.00	**Each**	**143750.0**	**287500.00**
Data Rate	143750.00							

ɔply & fixing of HD Sit Up Station : All products must tested and certified to meet EN16630 safety standards h GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body h as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier o has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly olayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All ducts must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular el of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are llopedrimer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated ıg AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. seat is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have ıy and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can se injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely -assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance le. Size (L*W * H) 1365 MM x 1335 MM x 700 MM . Capacity 2 persons. Inclusive of All Taxes and nsportation Charges (Data approved rate)

	2				2.00			
					2.00	**Each**	**156250.0**	**312500.00**
Data Rate	156250.00							

ɔply & fixing of children multi play equipment with spiral slide, monkey bar with number ınel .

ight structural posts of height 4.2 m are to be hot dip galvanized steel with a 114 mm OD and 2.2mm wall kness of tubing . Roof of size 1.9m x 1.7m x 0.77 m , spiral slide of size2.56m x 1.85m x 2.68m. Top rails of ıkey bar size 1.8m x 1.3m are all robotic welded & fabricated from 48mm OD galvanized steel pipes for outer bars &32 mm OD galvanized steel for the inner parallel bars with a baked on powder coated h. Deck of size 1.45 x 1.45 m are pressed and punched , welded ,sand blasted ,powder coated to 2.2mm kness or vinyl coated to a thickness of 4mm . Deck of size 1.45 x 1.45 m are pressed and punched , welded d blasted ,powder coated to 2.2mmthickness or vinyl coated to a thickness of 4mm. Deck, step, platform rs, baffle shall be all robotic welded. Inclined ramps of size 1.92m x 0.65m , stair case of size 1.5m x 0.77m fabricated from solid 2mm perforated solid punched steel Frisbee climber , piped walls of size 1 m are tic welded , fabricated from 32 mm OD galvanized steelpipes for outer and 25mm OD galvanized steel ; for inner bar with baked on powder coat finish.The poles welded on to base plate made from steel with ım inner dia double slide of size 2.2 m x 1.5m x 1.45 m panel. The rates are to be inclusive of supply and llation at site. Inclusive of All Taxes and Transportation Charges (Data approved rate)

	1				1.00			
					1.00	**Each**	**1915900.0**	**1915900.00**
Data Rate	1915900.00							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
ıply and fixing of childern Play Equipment Curved structural posts of height 3.5m, and 2.7mare ɒe schedule HOT DIP Galvanized steel with a 114mm ODand 2.2mm (wall) thickness of the ing. The polesare welded on to a base plate made from steel with 114mm inner diameter. ıdrail Dia 60mm shall bean all-robotic welded unit, fabricated from galvanized steel pipes with a ed on powder coating [using AkzoNobel INTERPON paints]finish. Swing of size 3.3 m x 0.9 m, ing twirlof size 2.8mx 1.6 m, Twirl of size 3.0 m x 0.7 m, Steering wheel loops of size 2.5 m x 0.5 are all robotic welded fabricated from 32 O.D. galvanized steel pipes for the outer pipes and nm O.D. galvanized steel for the inner parallel bars with a baked on powder coat finish. Bolts, s, screws, washers and etc used for assembly shall be stainless steel 304 of tamper resistant inless steel. Exposed hardware shall be covered with ultra violet stabilized plastic safety caps as · EN1176 standards as a safety feature against protruding hardware, aesthetic pleasing against y exposed hardware and prevention against vandalism as well. Plastic Components[super thick stic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear v density UV stabilized polyethylene, with color molded in and minimum thickness of 6 -8mm. lusive of All Taxes and Transportation Charges (Data approved rate)								
	1				1.00			
					1.00	**Each**	**1498833.0**	**1498833.00**
Data Rate	1498833.00							
ıpply and fixing of childern Play Equipment Fiero A Swing : haped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a l4mm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super ıick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin ıear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and ransportation Charges (Data approved rate)								
	2				2.00			
					2.00	**Each**	**126892.0**	**253784.00**
Data Rate	126892.00							
ıpply and fixing of childern Play Equipment Two seater seesaw : ıe See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the ɔrizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats hich is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be clusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges (Data ɔproved rate)								
	2				2.00			
					2.00	**Each**	**83478.0**	**166956.00**
Data Rate	83478.00							
							Total Construction Cost	**9716817.32**
							12% GST Charges	**184883.56**
							PMC Charges	**97,168.17**
							Sub Total	**9998869.05**

escription of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
							Utility Shifting, Miscellaneous, Rounding off	1,130.95
							GRAND TOTAL	10000000.00

ate

vorkspot was inspected and works is found to be necessary.

rea comes within the Bruhat Bangalore Mahanagara Palike limits.

ates adopted based on the PWD SR,Bangalore circle 2018-19

ssistant Engineer
Ward No-3
BMP Bangalore

Asst. Executive Engineer,
Yelahanka New Town Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

ame of Work: Improvements and Development of Balance Parks in Ward No - 03 of Yelahanka Satellite town Sub division

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
3B 2-2 : **Earthwork excavation by manual means** for foundation of buildings, water supply and itary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods nplete as per specifications. (Page No 6, I.No.2.3)								
Fencing								
rth side	1	35.00	0.80	0.65	18.20			
st side	1	48.00	0.80	0.65	24.96			
th side	1	61.00	0.80	0.70	34.16			
etween fencing	1	20.00	0.80	0.70	11.20			
vering of ground	1	30.00	25.00	0.25	187.50			
					276.02	**Cum**	**394.42**	**108867.81**
Basic Rate Rs.=	299.00							
Add 6% A.W Rs. =	17.94							
Sub Total =	316.94							
8Km Lead, Loading and nloading =(2*1.28*8)+57	77.48							
Total Rate Rs. =	394.42							
RRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with ushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine gregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by oration including curing for 14 days including cost of all materials, labour, HOM curing, form orks, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
r Fencing								
rth side	1	35.00	0.80	0.15	4.20			
est side	1	48.00	0.80	0.15	5.76			
uth side	1	61.00	0.80	0.15	7.32			
between fencing	1	20.00	0.80	0.15	2.40			
Kerb Stones	2	44.00	0.20	0.10	1.76			
	2	40.00	0.20	0.10	1.60			
	2	22.00	0.20	0.10	0.88			
	2	14.00	0.20	0.10	0.56			
ldren Play area kerb stone	1	70.00	0.20	0.10	1.40			
n equipment kerb stone	1	44.00	0.20	0.10	0.88			
n equipment area	1	12.00	10.00	0.15	18.00			
Benches	8	1.80	1.50	0.15	3.24			
surround bench kerb	8	6.40	0.20	0.10	1.02			
					49.02	**Cum**	**5421.90**	**265803.23**
Basic Rate Rs.=	5115.00							
Add 6% A.W Rs. =	306.90							
Total Rate Rs. =	**5421.90**							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
RB 5.2-3 : Providing and **constructing granite / trap / basalt size stone masonry** in foundation h cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones two m. apart in each course including cost of materials, labour, curing complete as per ecifications. KBS 5.1.13 (Page No 25., I.No.5.6).								
Fencing								
rth side	1	35.00	0.75	0.60	15.75			
est side	1	48.00	0.75	0.40	14.40			
uth side	1	61.00	0.75	0.40	18.30			
between fencing	1	20.00	0.75	0.40	6.00			
d step								
rth side	1	35.00	0.60	0.40	8.40			
est side	1	48.00	0.60	0.40	11.52			
uth side	1	55.00	0.60	0.40	13.20			
between fencing	1	20.00	0.60	0.40	4.80			
					92.37	**Cum**	**4871.76**	**450004.47**
Basic Rate Rs.=	4596.00							
Add 6% A.W Rs. =	275.76							
Total Rate Rs. =	**4871.76**							
RB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, ith 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in undation, plinth and cills, including cost of all materials, labour, HOM curing complete as per ecifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
oping								
orth side	1	35.00	0.60	0.10	2.10			
Vest side	1	48.00	0.60	0.10	2.88			
outh side	1	61.00	0.60	0.10	3.66			
between fencing	1	20.00	0.60	0.10	1.20			
nass concrete for fixing quipments	20	0.60	0.75	0.60	5.40			
					15.24	**Cum**	**5747.32**	**87589.16**
Basic Rate Rs.=	5422.00							
Add 6% A.W Rs. =	325.32							
Total Rate Rs. =	**5747.32**							
abricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 32 Heavy gauge of length 3000mm with **MS. Hot dip Galvanised grill** work as per approved design nd drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm alvanised forged design with square for vertical at 150mm c/c as shown in the drawing including oviding forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, uare rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint er one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, ts, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding ith all lead and lift as per specification including loading and unloading with cost and conveyance all materials, labour, machinery andincidental charges for the successful completion of the work per the direction of the Engineer-in-charge of the work. (Data Rate)								
ncing								
rth side	1	35.00		2.10	73.50			
est side	1	48.00		2.10	100.80			
uth side	1	61.00		2.10	128.10			
between fencing	1	20.00		2.10	42.00			
					344.40	**Sqm**	**9144.00**	**3149193.60**

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Data Rate	6144.00							

Fabricating, providing and erecting in position **hot dip galvanised Gate**. Using 72 X 72 X 4.8mm Sq. GI pipe frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm each bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each leaf. Heavy Duty locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)

For Gate								
	2	3.00		2.40	14.40			
Data Rate	12475.00				14.40	Sqm	12475.00	179640.00

7 (SRR& MS00-58) **Construction of embankment** with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. (Page 147, Item No 135.60)

Levelling of ground	1	30.00	25.00	0.30	225.00			
					225.00	Cum	344.50	77512.50
Basic Rate Rs.=	325.00							
Add 6% A.M Rs. =	19.50							
Total Rate Rs. =	344.50							

8 Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 104 and 165 mm respectively, 450mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30)

For Pathway								
For Kerb Stones	2	44.00			88.00			
	2	40.00			80.00			
	2	22.00			44.00			
	2	14.00			28.00			
For surround bench	8	6.40			51.20			
Gym equipment area	1	44.00			44.00			
Children Play area kerb stone	1	70.00			70.00			
					405.20			
					900.00	Nos	432.48	389232.00
Basic Rate Rs.=	408.00							
Add 6% A.M Rs. =	24.48							
Total Rate Rs. =	432.48							

9 Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)

For Pathway								

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
or Kerb Stones	2	44.00		0.30	26.40			
	2	40.00		0.30	24.00			
	2	22.00		0.30	13.20			
	2	14.00		0.30	8.40			
or surround bench	8	6.40		0.30	15.36			
ym equipment area	1	44.00		0.30	13.20			
hildren Play area kerb stone	1	70.00		0.30	21.00			
					121.56	**Sqm**	**84.80**	**10308.29**
Basic Rate Rs.=	80.00							
Add 6% A.W Rs. =	4.80							
Total Rate Rs. =	**84.80**							

roviding and laying/fixing cement base, precast, pre polished cement concrete, **designer tiles** 5mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and inding, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing sing white cement, including cost of materials, mortar, including cutting, griding the edge to alf/full round wherever required, labour, curing complete as per specification. (P.No-112,I No-

or Benches	8	1.80	1.50		21.60			
ym equipment area	1	12.00	10.00		120.00			
					141.60	**Sqm**	**1305.92**	**184918.27**
Basic Rate Rs.=	1232.00							
Add 6% A.W Rs. =	73.92							
Total Rate Rs. =	**1305.92**							

SRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / rap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers vith paver in sub-base/base course on well prepared surface and compacting with vibratory roller o achieve the desired density complete as per specifications(P.No-155,I No-20.18)

or Pathway								
	1	44.00	1.80	0.15	11.88			
	1	40.00	1.80	0.15	10.80			
	1	22.00	1.80	0.15	5.94			
	1	14.00	1.80	0.15	3.78			
					32.40	**Cum**	**2001.28**	**64841.47**
Basic Rate Rs.=	1888.00							
Add 6% A.W Rs. =	113.28							
Total Rate Rs. =	**2001.28**							

SRB 14.6 : Providing and laying heavy duty **cobble stones** interlock pavers, using cement and ourse sand for manufacture of blocks of approved size, shape and colour with a minimum mpressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and mpacting with plate vibrator having 3 tons compaction force thereby forcing part of sand derneath to come up in between joints, final compaction of paver surface joints into its final level, cluding cost of materials, labour and HOM complete as per specifications. ecification No. KBS (P.No-103,I No-14.6), **60mm thick**

r Pathway								
	1	44.00	1.80		79.20			
	1	40.00	1.80		72.00			
	1	22.00	1.80		39.60			
	1	14.00	1.80		25.20			
					216.00	**Sqm**	**1116.18**	**241094.88**
Basic Rate Rs.=	1053.00							

		Length	Width	Depth	Quantity	Unit	Rate	Amount
Add 6% A.W Rs. =	63.18							
Total Rate Rs. =	1116.18							
2.6 **Providing and filling sand** in trenches to required depth including watring ramming with lead and lift complete as per specifications and directed by the engineer incharge at the site (P-7 W-2.13 SR 2018-19)								
Children Play area	1	25.00	20.00	0.30	150.00			
					150.00	**Cum**	**2183.60**	**327540.00**
Basic Rate Rs.=	2060.00							
Add 6% A.W Rs. =	123.60							
Total Rate Rs. =	**2183.60**							
Executive Bench- Made out of Sadarahalli grey stone with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90x Length 1500 width 45 cms (Data approved rate)								
	8				8.00			
Data Rate	18200.00				**8.00**	**Each**	**18200.00**	**145600.00**
Supplying of dustbin for collection of dry and wet waste for segregation, (Fiber dustbin Modern Type 3.0-3.75 Ft) inclusive of all taxes and transportation charges as per the direction of Engineer in Charge (Data approved rate)								
	2				2.00			
Data Rate	18000.00				**2.00**	**Each**	**18000.00**	**36000.00**
Supply & fixing of Arm & Pedal Bike : All products must tested and certified to meet EN16630 safety standards with CE test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 1000 hrs. The seat is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 830 MM x 500MM x 1450 MM . Capacity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	1				1.00			
					1.00	**Each**	**212500.0**	**212500.00**
Data Rate	212500.00							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
pply & fixing of Elliptical Cross Trainer: All products must tested and certified to meet EN16630 safety ndards with GS test mark. The EN16630 certificates must be issued by a reputed notified International rtifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified oducts either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates ist be clearly displayed on the notified certifying bodies websites as online verification is mandatory during chnical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety rtificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All lded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off moving all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All etal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All etal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to eed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : aintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that event unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with N16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : aintain according to EN16630 and the maintenance guide. Size (L*W * H) 845 MM x 865 MM x 1710 MM . pacity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	1				1.00			
					1.00	**Each**	**175000.0**	**175000.00**
Data Rate	175000.00							
upply & fixing of Pull Down Challenger : All products must tested and certified to meet EN16630 safety tandards with GS test mark. The EN16630 certificates must be issued by a reputed notified International ertifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name f a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified roducts either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates nust be clearly displayed on the notified certifying bodies websites as online verification is mandatory during echnical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety ertificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All velded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off emoving all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All netal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All netal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to peed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that revent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with N16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : laintain according to EN16630 and the maintenance guide. Size (L*W * H) 2570 MM x 840 MM x 2200 MM . apacity 2 persons. Inclusive of All Taxes and Transportation Charges(Data approved rate)								
	1				1.00			
					1.00	**Each**	**296000.0**	**296000.00**
Data Rate	296000.00							

scription of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
& fixing of Seated Chest Press : All products must tested and certified to meet EN16630 safety ds with GS test mark. The EN16630 certificates must be issued by a reputed notified International ng Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name pplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified ts either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates e clearly displayed on the notified certifying bodies websites as online verification is mandatory during al bid. All products must clearly display the GS mark as has been issued in the EN16630 safety ates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All l joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off ng all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : enance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that nt unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with 30 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : ain according to EN16630 and the maintenance guide. Size (L*W * H) 1955 MM x 730 MM x 1955 MM . ity 2 persons. Inclusive of All Taxes and Transportation Charges(Data approved rate)									
	1				1.00			
Data Rate	287500.00				**1.00**	**Each**	**287500.0**	**287500.00**

ly & fixing of Self Weighted Rower : All products must tested and certified to meet EN16630 safety dards with GS test mark. The EN16630 certificates must be issued by a reputed notified International fying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified ducts either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates t be clearly displayed on the notified certifying bodies websites as online verification is mandatory during nical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety ificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All ded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off oving all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All al parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All al parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to ed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : ntenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that vent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with 6630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : ntain according to EN16630 and the maintenance guide. Size (L*W * H) 1390 MM x 805 MM x 1198 MM . acity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate) | | | | | | | | | |
| | 1 | | | | 1.00 | | | |
| Data Rate | 206250.00 | | | | **1.00** | **Each** | **206250.0** | **206250.00** |

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
ıpply & fixing of HD Double Health Walker : All products must tested and certified to meet EN16630 safety ndards with GS test mark. The EN16630 certificates must be issued by a reputed notified International tifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or ough their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the ified certifying bodies websites as online verification is mandatory. All products must clearly display the GS rk as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized d zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an proved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall wder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% CL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon ving good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-e ball bearings. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : ıintain according to EN16630 and the maintenance guide. Size (L*W * H) 2015 MM x 615 MM x 1360 MM . pacity 2 persons. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	1				1.00			
Data Rate	296000.00				**1.00**	**Each**	**296000.0**	**296000.00**
pply & fixing of HD Waist Twister : All products must tested and certified to meet EN16630 safety standards th GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body ch as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier ıo has carried out in excess of at least 50 public park projects in India either by themselves or through their alers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified rtifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as ıs been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc pped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved IG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the elding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to e thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL lution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon ıving good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-ee ball bearings. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : aintain according to EN16630 and the maintenance guide. Size (L*W * H) 1460 MM x 1310 MM x 1150 MM Capacity 3 persons. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	1				1.00			
Data Rate	162500.00				**1.00**	**Each**	**162500.0**	**162500.00**

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
ly & fixing of Tai Chi Spinners : All products must tested and certified to meet EN16630 safety standards GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either emselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly ayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All ucts must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are)ped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp s & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are der coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are d in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion 000 hrs. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment ules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1150 MM 20 MM x 1620 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges (Data approved									
	1					1.00			
Data Rate	143750.00					**1.00**	**Each**	**143750.0**	**143750.00**
ply and fixing of childern Play Equipment Curved structural posts of height 3.5m, and 2.7mare)e schedule HOT DIP Galvanized steel with a 114mm ODand 2.2mm (wall) thickness of the ng. The polesare welded on to a base plate made from steel with 114mm inner diameter. drail Dia 60mm shall bean all-robotic welded unit, fabricated from galvanized steel pipes with a ed on powder coating [using AkzoNobel INTERPON paints]finish. Swing of size 3.3 m x 0.9 m, ing twirlof size 2.8mx 1.6 m, Twirl of size 3.0 m x 0.7 m, Steering wheel loops of size 2.5 m x 0.5 are all robotic welded fabricated from 32 O.D. galvanized steel pipes for the outer pipes and nm O.D. galvanized steel for the inner parallel bars with a baked on powder coat finish. Bolts, s, screws, washers and etc used for assembly shall be stainless steel 304 of tamper resistant inless steel. Exposed hardware shall be covered with ultra violet stabilized plastic safety caps as EN1176 standards as a safety feature against protruding hardware, aesthetic pleasing against y exposed hardware and prevention against vandalism as well. Plastic Components[super thick stic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear density UV stabilized polyethylene, with color molded in and minimum thickness of 6 -8mm. usive of All Taxes and Transportation Charges (Data approved rate)									
	1					1.00			
Data Rate	1498833.00					**1.00**	**Each**	**1498833.0**	**1498833.00**
)ly and fixing of childern Play Equipment Fiero A Swing : ped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a nm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin r low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - . The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and portation Charges (Data approved rate)									
	1					1.00			
Data Rate	126892.00					**1.00**	**Each**	**126892.0**	**126892.00**

cription of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
nd fixing of childern Play Equipment Two seater seesaw : Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the l rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be of supply and installation at site. Inclusive of All Taxes and Transportation Charges (Data rate)								
	1				1.00			
					1.00	**Each**	**83478.0**	**83478.00**
Data Rate	83478.00							
ng, supplying & erecting **M.S. Angular Truss** for all spans as per approved designs and The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, plate and shoe plate. The work includes cutting, straightening, placing in position of M.S welding wherever necessary, and applying one coat of red oxide primer coat to all the including cost of all materials, labour charges, & hire charges of machineries for cutting, grinding & erection equipments, etc., complete as per specification (P.No-43,I No-7.30)								
nce Gate truss								
	2	3.00	1.20		7.20			
	2	3.00	0.50		3.00			
					10.20			
18 kgs /sqm					**153.00**	**Kgs**	**135.68**	**20759.04**
Basic Rate Rs.=	128.00							
Add 6% A.W Rs. =	7.68							
Total Rate Rs. =	**135.68**							
and fixing new Mangalore tiles on existing reepers including cost of materials, labour, plete as per specifications. (P.No-267,I No-37.9)								
ice Gate truss								
	2	3.00	2.00		12.00			
18 kgs /sqm					**12.00**	**Sqm**	**431.42**	**5177.04**
Basic Rate Rs.=	407.00							
Add 6% A.W Rs. =	24.42							
Total Rate Rs. =	**431.42**							
							Total Construction Cost	**9232784.75**
							12% GST Charges	**667497.81**
							PMC Charges	**99,000.00**
							Sub Total	**9999282.56**
							Utility Shifting, Miscellaneous, Rounding off	**717.44**
							GRAND TOTAL	**10000000.00**

kspot was inspected and works is found to be necessary.
comes within the Bruhat Bangalore Mahanagara Palike limits.
s adopted based on the PWD SR,Bangalore circle 2018-19

tant Engineer
/ard No-3
P Bangalore

Asst. Executive Engineer,
Yelahanka New Town Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Name of Work: Improvements and Development of Balance Parks in Ward No - 03 of Yelahanka Satellite town Sub division

N

BASAVALINGAPPANAGARA

Vidya Ganapathi Temple

Samudhaya Bhavana

35.00m

20.00m

61.00m

PARK

48.00m

Vinayaka Marg

Existing Compound Wall

Fencing

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